Abstract

Modulation plays an important role in transmission of single from transmitter to receiver in all communication systems. But it is vital in wireless communication and a lot of communication features including (data rate, error rate, symbol rate, bandwidth etc) depends upon it. In NS2 wireless network simulation BPSK is used for digital encoding and modulation of data [1,2]. The BPSK method is used by wireless/phy object that is inherited by Modulation Class. In this paper QPSK is used in place of BPSK and analyzed in terms of data rate, error rate and power consumption in NS 2 simulation. Also the proposed code for QPSK modulation is given in this paper.

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Index Terms

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Keywords

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